


Guidance for ARRA Smart Grid Program Metrics and Benefits

Guidance ID	R-001	
Metric	General	
Smart Grid Recipient Category	All	
Metric Type	Build	
Issue Date	April 6, 2011	
Revision and Date	N/A	

Background

The Department of Energy (DOE) has reviewed the build metric data submittals provided by the Smart Grid Investment Grant (SGIG) program recipients. DOE has identified issues relating to data completeness, data accuracy, and the sufficiency of the equipment and program descriptions. DOE will be contacting the SGIG recipients on an individual basis to resolve the issues related to the recipient's data submittal before it is posted on www.smartgrid.gov.

In order to mitigate future issues and avoid rework, DOE has developed this reporting guidance. SGIG recipients are required to provide sufficient data and descriptions so the DOE can track the extent and cost of deployment; and characterize the technologies and Smart Grid functionalities being implemented. The following guidance is specific to the reporting requirements of the metrics and benefits analysis of the SGIG program.

Resources

- The DOE provided the SGIG recipients with detailed instructions for uploading and reviewing data. The instruction are available at http://www.smartgrid.gov/sites/default/files/teams/data_hub_data_upload_instructions.pdf
- The DOE has developed sample build and impact metric data forms that include examples of acceptable data sets and representative descriptions.

The sample build metrics quarterly form is available at

http://www.smartgrid.gov/sites/default/files/teams/example_build_metric_baseline_form_1-9-2011-upd.pdf

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Specific Clarifications

- SGIG recipients should report all build metric quantities from the date they began invoicing for equipment until the end of the first reporting period. SGIG recipients should contact their Technical Project Officer with any questions regarding this date.
- Mandatory data fields are indicated by cells outlined in red. Applicable text or an integer must be provided in these fields in order for the data form to be uploaded to the data hub. If equipment has not been installed or programs have not been initiated, enter zero in these fields.
- Descriptions should be provided for assets, customer programs, integration activities, and Smart Grid functionalities. If information is not currently available, indicate the remaining activities that need to be completed to obtain the information. For example, if a technology or vendor has not yet been selected indicate the next steps and approximate timing when information will be available.
- System level metrics should include both the number of assets listed in the project level metric plus the other assets installed on the system without ARRA or Cost Share funding. For example if a project installed 50 Automated Feeder Switches during the quarterly reporting period and there were already 200 Automated Feeder Switches installed on the distribution system prior to the Smart Grid Program, the project value should be listed as 50 and the system value should be listed as 250.
- SGIG recipients should report all build metrics in a cumulative manner. The only exception is the energy delivered metric for projects implementing Distributed Energy Resources. This amount should be reported for the specific quarter.
- The Monetary Investments should be reported in a manner consistent with the build metrics for the associated equipment. If equipment is being reported in the build metrics, then its cost should be reported in the Monetary Investments, and vice versa. If an asset has not been installed, then Monetary Costs should not be listed.
- Baseline data for build metrics should be reported for all years: 2010, 2011, 2012, 2013, and 2014 with the SGIG recipient's first data submittal. If no assets were planned to be installed during a specific period or year, zero values should be listed.
- Baseline data should only be provided for project level data. For example, if a Time of Use pricing program is currently offered to customers and it is was not dependent on ARRA funding then baseline data is not required.
- All Baseline data submittals for build metrics should be reported in a cumulative manner representing the asset and program deployment if no ARRA funds were provided.

- Baseline equipment and program descriptions should reflect the type of equipment and programs that would have been deployed if no ARRA funds were provided through the SGIG program.

If you need further clarification on the build metrics reporting requirements, please contact your metrics and benefits team representative or your Technical Project Officer before submitting build metrics to the data hub.